

Abstract of the Disclosure

The present invention provides an interface device using
a function of switch that can execute various applications in
5 a mobile terminal by multi-switching USB_D+ and USB_D-, or
RS232C data line to an external interface; and, particularly,
that can make the mobile terminal used as a PC camera. A
universal serial bus (USB) interface device using function of
switch includes a dual interface unit for multi-switching data
10 according to a microcontroller unit (MCU) selection signal and
a digital signal processor (DSP) selection signal; an image
processing unit for digitalizing the image data; a signal
processing unit for activating the MCU selection signal or the
DSP selection signal, and processing the data; and a memory
15 unit for saving the data according to control of the image
processing unit or the signal processing unit.

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